

1 CLAIMS

2 I CLAIM:

3 51. A system for facilitating improved learning and playing of music using a coding
4 system that may be applied to a plurality of entities, comprising:

5 (a) a plurality of particularly named distinct colors, each one of said colors having a
6 color name beginning with a musical alphabet letter name, A, B, C, D, E, F, G,

7 (b) said color names, and thus, said plurality of particularly named distinct colors,
8 paired, via reiteration of said musical alphabet letter name, each to one out of a
9 plurality of the group of notes of Western music customarily referred to as; A, A#/Bb,
10 B, C, C#/Db, D, D#/Eb, E, F, F#/Gb, G, G#/Ab.

11 whereby providing color coding both for identifying musical elements such as notes,
12 and chords on a multitude of entities that create music, and for acting as an identifier
13 of said elements per se on a multitude of entities for the learning and playing of
14 music.

15 52. The system of claim 51, further including indicia means for identifying each one
16 out of a plurality of the octave groups of Western music wherein each of said
17 plurality of musical notes is located with each of said plurality of octave groups
18 consisting of a set of the twelve basic notes of Western music at a particular pitch
19 grouping based upon the first note of the octave group, said twelve basic notes
20 customarily referred to as; A, A#/Bb, B, C, C#/Db, D, D#/Eb, E, F, F#/Gb, G, G#/Ab.

1 53. The system of claim 52, wherein said octave groups are "C" octave groups,
2 meaning the octave groups' first note is a "C" note, thus, C, C#/Db, D, D#/Eb, E, F,
3 F#/Gb, G, G#/Ab, A, A#/Bb, B.

4 54. The system of claim 52, wherein said indicia means for identifying each one of
5 the plurality of octave groups is derived from a plurality of indicia, with a different
6 one of said indicia, whether a single indicium, or grouping of indicia acting as only
7 one indicium, solely identifying each one of the plurality of octave groups.

8 55. The system of claim 54, wherein said single indicium, or grouping of indicia,
9 acting as only one indicium, and thus identifying each one of the plurality of octave
10 groups, is assigned to each of said notes of each of said octave groups, therein acting
11 as means for identifying the plurality of individual note pitches of each of the
12 plurality of octave groups.

13 56. The system of claim 54, wherein said plurality of indicia is means for identifying
14 a plurality of base octave groups as a beginning reference point for the plurality of
15 indicia.

16 57. The system of claim 54, wherein said plurality of indicia is a plurality of vertical
17 dash pitch marking.

18 58. The system of claim 57, wherein said plurality of vertical dash pitch marking is
19 represented as a plurality of vertical dash pitch marks with a plurality of "middle C"
20 octave groups designated as the base of said pitch marking.

21 59. The system of claim 58, wherein the "middle C" octave group base is identified
22 with "sans pitch marking."

1 60. The system of claim 54, wherein said plurality of indicia is a plurality of counting
2 indicia.

3 61. The system of claim 60, wherein said plurality of counting indicia manifests such
4 that for the first octave groups above and below the "middle C" octave group base the
5 counting indicia is one indicia, for the second octave group, the counting indicia is
6 two indicia, for the third octave group, the counting indicia is three indicia,
7 continuing in that counting fashion for the plurality of octave groups.

8 62. The system of claim 64, wherein the plurality of indicia is a plurality of sequence
9 indicia.

10 63. The system of claim 62, wherein said plurality of sequence indicia manifests such
11 that for the first octave groups above and below the "middle C" octave group base the
12 first sequence indicia is one indicia, for the second octave groups, the next in
13 sequence indicia is two indicia, for the third octave groups, the next in sequence
14 indicia is three indicia, for the fourth octave groups, the next in sequence indicia is
15 four indicia, thus continuing in that sequence fashion for the plurality of octave
16 groups.

17 64. The system of claim 54, wherein the plurality of indicia manifests as a plurality
18 of radiating indicia, radiating from a base octave group.

19 65. The system of claim 64, wherein said plurality of radiating indicia manifests such
20 that the first of the radiating indicia identifies the plurality of octave groups closest to
21 a plurality of base octave groups, and from said first of the radiating indicia, the
22 radiating indicia then radiates out from said base octave groups by increasing in

1 number of radiating indicia that identify each octave group, as each octave group is
2 further removed from the base octave group.

3 66. The system of claim 54, wherein the plurality of indicia manifests in a plurality
4 of patterns when identifying a plurality of octave groups that represent a plurality of
5 pitches lower, and higher than the plurality of base octave groups, wherein said
6 plurality of patterns that represent said plurality of lower pitches are repeated for said
7 plurality of higher pitches.

8 67. The system of claim 66, wherein said plurality of patterns manifests such that a
9 first indicia represents the first octave groups above and below the "middle C" base
10 octave group, a second indicia represents the second octave groups above and below
11 the base octave group, a third indicia represents the third octave groups above and
12 below the base octave group, a fourth indicia represents the fourth octave groups
13 above and below the base octave group, continuing in that pattern manner for the
14 plurality of octave groups beyond the fourth.

15 68. The system of claim 54, wherein the plurality of indicia manifests as a plurality
16 of pitch-indicator indicia that indicates whether a plurality of octave groups are lower,
17 or higher in pitch than the plurality of base octave groups.

18 69. The system of claim 68, wherein said plurality of pitch-indicator indicia that
19 represent the plurality of octave groups of pitch lower than the plurality of base
20 octave groups manifests as positioned to the left of the plurality of note
21 representations of the octave groups, and to the left of a plurality of base octave group
22 representations wherein octave group pitch indicator indicia is in a designated

1 position different from left, and from right in relation to each one out of said plurality
2 of base octave group representations,.

3 70. The system of claim 68, wherein said plurality of pitch-indicator indicia that
4 represent the plurality of octave groups of pitch higher than the plurality of base
5 octave groups manifests as positioned to the right of the plurality of note
6 representations of the octave groups, and to the right of a plurality of base octave
7 group representations wherein octave group pitch indicator indicia is in a designated
8 position different from left, and from right in relation to each one out of said plurality
9 of base octave group representations,.

10 71. The system of claim 54, wherein the plurality of indicia manifests as a multitude
11 of images; and colors, including black and white; and combinations of these; and in a
12 multitude of sizes; and shapes; and sans indicia for designated octave groups within a
13 plurality of octave groups that are identified with the plurality of indicia that is other
14 than sans indicia.

15 72. The system of claim 52, further including the application of said color coding
16 and said octave group coding onto at least a portion of each one of a plurality of
17 indicia means for identifying a plurality of musical notes of a plurality of visual
18 musical compositions, both conventional and alternative.

19 73. The system of claim 72, wherein said indicia means for identifying a plurality of
20 musical notes of said plurality of visual musical compositions, both conventional and
21 alternative are note symbols in the form of conventional note symbols for said
22 conventional visual musical compositions, and are note symbols in the form of any

1 one of a multitude of symbols for alternative visual musical compositions, including a
2 plurality of note letters, lyrics, and disks.

3 74. The system of claim 72, wherein the subset of said plurality of indicia that are a
4 plurality of sharp, and flat notes is formed by the addition of sharp, and flat symbols
5 to the natural note symbols of said sharp and flat notes.

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6 75. The system of claim 72, wherein each one of said plurality of note symbols has
7 the octave group coding to the left side of each one of the plurality of note symbols of
8 lower pitch than a plurality of base octave groups, and to the right side of each one of
9 the plurality of note symbols of higher pitch than said plurality of base octave groups,
10 with the plurality of note symbols of the plurality of base octave groups having octave
11 group coding in a designated position different from left, and from right in relation to
12 the plurality of note symbols to indicate the base octave group as the beginning point
13 of reference of the octave groups

14 76. The system of claim 75, wherein said plurality of base octave groups' octave
15 group coding identifier is sans pitch marking.

16 77. The system of claim 52, further including means for applying said color coding
17 and said octave group coding to each one of a plurality of instruments, and to each
18 one of a plurality of chord diagrams, and tablature for identification of a plurality of
19 locations on said instruments to enable the locating, and thus, production of a
20 plurality of musical notes, wherein said plurality of instruments include keyboard,
21 string, percussion, harmonica and the like.

22 78. The system of claim 77, wherein said means for identifying said plurality of
23 locations on said plurality of instruments are a plurality of note location identifiers.

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- 1 79. The system of claim 78, wherein formation of the subset of said plurality of
2 instrument note location identifiers that are a plurality of sharp and flat note location
3 identifiers is achieved by adding sharp, and flat symbols to each one of the natural
4 note location identifiers of each one of said sharp, and flat note location identifiers.
- 5 80. The system of claim 78, wherein each one of said plurality of instrument note
6 location identifiers has the octave group coding to the left side of each one of the
7 plurality of instrument note location identifiers of lower pitch than the base octave
8 group, and to the right side of the plurality of instrument note location identifiers of
9 higher pitch than the base octave group, except for the plurality of note location
10 identifiers of the plurality of base octave groups wherein said octave group coding is
11 sans pitch marking to indicate the base octave group as the beginning point of
12 reference of the octave groups.
- 13 81. The system of claim 78, wherein said plurality of instrument note location
14 identifiers manifests in a multitude ways for applying to a plurality of instruments,
15 including manifesting as tangible, and electronic, and further including the actual
16 coloring of portions of said plurality of instruments, including keys, fingerboard,
17 strings, striking surfaces, buttons, holes, pegs, and body of said instruments.
- 18 82. The system of claim 52, further including the application of said color coding,
19 and said octave group coding to at least a portion of each one of a plurality of
20 instrument note formation identifiers as means for the identification of the mode of
21 forming each one of a plurality of notes on each one of a plurality of instruments
22 wherein said plurality of notes are produced via the configuring of mechanisms of
23 said instruments, the instruments including woodwind, brass, and the like.

1 83. The system of claim 82, wherein the subset of said plurality of instrument note
2 formation identifiers that is a plurality of sharp, and flat note formation identifiers is
3 formed by the addition of sharp, or flat symbols, respectively, to each one of a
4 plurality of natural note formation identifiers of each one of said plurality of sharp,
5 and flat note formation identifiers.

6 84. The system of claim 82, wherein each one of said plurality of instrument note
7 formation identifiers has octave group coding to the left side of each one of the
8 plurality of instrument note formation identifiers of octave groups lower in pitch than
9 a base octave group, and to the right side of the plurality of instrument note formation
10 identifiers of octave groups higher in pitch than the base octave, except for the
11 plurality of note formation identifiers of the plurality of base octave groups wherein
12 said octave group coding is sans pitch marking to indicate the base octave group as
13 the beginning point of reference of the octave groups.

14 85. The system of claim 82, wherein said plurality of note formation identifiers for a
15 plurality of transposing instruments each has a note sounded identifier for identifying
16 the actual note sounded when one of said transposing instruments produces a note,
17 said note sounded identifier consisting of color, and octave group coding indicia to
18 identify said note sounded.

19 86. The system of claim 85, wherein said note sounded identifier manifests as a note
20 sounded identifier box formed as a quadrilateral having a color and pitch mark-coded
21 disk within said quadrilateral.

22 87. The system of claim 82, wherein said plurality of note formation identifiers in the
23 form of slide position identifiers for a plurality of trombone instruments each has

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1 partial indicators to identify a plurality of partial adjustments in a plurality of
2 trombone tube slide positions, with each one out of said adjustments indicated as one
3 out of a plurality of equidistant increments of distance, and with each one out of said
4 increments starting from one out of a plurality of partial base indicia which indicates
5 no adjustment, with the increments to the right of said base indicia indicating a
6 lengthening of said trombone tube in order to flatten sound produced when the
7 particular note adjusted is played, and the increments to the left of the base indicia
8 indicating a shortening of the trombone tube in order to sharpen sound produced
9 when the particular note adjusted is played.

10 88. The system of claim 87, wherein the partial indicia base is indicated by a dot
11 directly below the disks of the trombone identifier, and said equidistant increments
12 are indicated via parallel short vertical lines rising perpendicularly from a horizontal
13 bar radiating out from said dot base.

14 89. The system of claim 82, wherein the plurality of instrument note formation
15 identifiers manifests in a multitude of ways that are applied to a plurality of visual
16 musical compositions, both conventional and alternative.

17 90. The system of claim 52, wherein the application of the color, and octave group
18 coding of the system to a plurality of note location, and formation identifiers for
19 instruments is such that each identified note may be matched with like-coded note
20 symbols for musical compositions.

21 91. The system of claim 52, further including a plurality of distinct images wherein
22 each one of said distinct images is paired with a note name chosen from the group of

1 note names of Western music, A, B, C, D, E, F, G, and the sharp and flat names of
2 said notes.

3 92. The system of claim 91, wherein said plurality of distinct images is a plurality of
4 particularly named distinct images, each one of said images having an image name
5 beginning with a musical alphabet letter name, A, B, C, D, E, F, G, with each one of
6 said image names paired, via the reiteration of said musical alphabet letter names, to
7 one of the said note names of Western music.

8 93. The system of claim 92, wherein the images are stylized animal characters.

9 94. The system of claim 91, further including a plurality of individual distinguishing
10 marks to aid in the recognition of each of the images.

11 95. The system of claim 94, wherein said distinguishing marks are ear, antennae, tuft,
12 and tail-like projections.

13 96. The system of claim 52, further including a plurality of assignments of coding to
14 at least some of a plurality of structures of a plurality of visual musical compositions
15 to facilitate the identification of a plurality of compositional keys, as well as other
16 elements of the plurality of musical compositions.

17 97. The system of claim 96, wherein said assignment of coding to a plurality of
18 braces, staves, lines, clef symbols, time signatures, bar, rests, dynamics, and to
19 combinations thereof of a plurality of conventional musical structures facilitates the
20 identification of compositional keys.

21 ⁹⁸~~99~~. The system of claim 96, wherein said assignment of coding to a plurality of
22 letters, symbols, titles, lyrics, and to combinations thereof of a plurality of both

1 conventional and unconventional musical composition structures facilitates the
2 identification of compositional keys, staff components, notes, and chords.

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~~100~~. The system of claim 96, wherein said assignment of coding to a plurality of
4 sharp, and flat symbols of key signatures, both conventional and unconventional, of a
5 plurality of musical compositions enables the identification of the notes sharpened, and
6 flattened in a plurality of key signatures.

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~~101~~. The system of claim 52, further including an alternative time duration system
8 wherein the basic time duration unit is a color-coded horizontal rectangle representing
9 a quarter note, with time durations of longer length than a quarter note created by the
10 addition of fully-colored, and partially-colored quarter note rectangles, the type and
11 number of said rectangles added depending upon the time duration to be represented,
12 and further, with time durations of shorter length than a quarter note created by the
13 addition of partially-colored quarter note rectangles, wherein a half-colored quarter
14 note unit represents an eighth note, and a quarter-colored quarter note unit represents
15 a sixteenth note.

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~~102~~. The system of claim 52, further including the assignment of the coding to at
17 least a portion of each one out of a plurality of chord grids.

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~~103~~. The system of claim 102, wherein the color coding is assigned to the grid lines
19 of said plurality of chord grids to identify the chord names of the chord grids.

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~~104~~. The system of claim 102, wherein the color coding is assigned to the fret
21 number of said plurality of chord grids to identify the chord names of the chord grids.

1 ¹⁰⁴ ~~105~~. The system of claim 78, wherein a plurality of note location identifiers are
2 applied to each one out of a plurality of chord grids to identify the notes of the chords
3 that are represented by each one out of said plurality of chord grids.

4 ¹⁰⁵ ~~106~~. The system of claim 52, further including the assignment of the coding to at
5 least a portion of each one out of a plurality of tablature constructions.

6 ¹⁰⁶ ~~107~~. The system of claim 106, wherein the color coding is assigned to at least one
7 out of a plurality of the elements that comprise one out of a plurality of tablature
8 constructions, including a plurality of nut, string, bar, and time signature
9 representations, in order to identify the compositional key of the tablature.

10 ¹⁰⁷ ~~108~~. The system of claim 78, wherein the coding is assigned to each one out of a
11 plurality of fret number note location identifiers of said plurality of tablature
12 constructions to identify the notes of each one out of said plurality of tablature.

13 ¹⁰⁸ ~~109~~. A system for facilitating improved learning and playing of music using a coding
14 system that may be applied to a plurality of entities, comprising:

15 a plurality of distinct colors, each one of said colors paired with a note name chosen
16 from the group of note names of Western music, A, B, C, D, E, F, G, and the sharp
17 and flat names of said notes; the colors combined with indicia means for identifying
18 each one out of a plurality of the octave groups of Western music,
19 whereby providing color and octave coding both for identifying musical elements
20 such as octave groups, notes, and chords, on a multitude of entities that create music,
21 and for acting as an identifier of said elements per se on a multitude of entities for the
22 learning and playing of music.

1 ~~110~~ The system of claim 109, further including a plurality of distinct images, each
2 different one of said images paired with a note name chosen from the said group of
3 note names of Western music,

4 ~~111~~^D The system of claim 109, further including a plurality of particularly named
5 distinct images, each one of said images having an image name beginning with a
6 musical alphabet letter name, A, B, C, D, E, F, G, and paired, via the reiteration of
7 said musical alphabet letter name, each to one out of a plurality of the notes of
8 Western music customarily referred to as, A, A#/Bb, B, C, C#/Db, D, D#/Eb, E, F,
9 F#/Gb, G, G#/Ab.

10 ~~112~~¹¹¹ The system of claim 109, further including a plurality of image distinguishing
11 marks, each one of said marks paired with a note name chosen from the said group of
12 note names of Western music,

13 ~~113~~¹¹² A system for facilitating improved learning and playing of music using a coding
14 system that may be applied to a plurality of entities, comprising:

15 an indicia means for identifying each particular octave group of a plurality of octave
16 groups wherein each of said plurality of musical notes is located, each of said
17 plurality of octave groups consisting of a plurality of the twelve basic notes of
18 Western music with each note of the said twelve notes being at a different pitch for
19 each octave group, the twelve basic notes customarily referred to as; A, A#/Bb, B, C,
20 C#/Db, D, D#/Eb, E, F, F#/Gb, G, G#/Ab, with said means for identifying each one
21 of the plurality of octave groups derived from a plurality of indicia, and with a
22 different one of said indicia, whether a single indicium, or grouping of indicia acting
23 as only one indicium, solely identifying each one of the plurality of octave groups,

1 whereby providing coding means both for identifying the octave group location of a
2 plurality of musical notes on a multitude of entities that create music, and for acting
3 as an identifier of octave groups per se on a multitude of entities for the learning and
4 playing of music.

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~~114~~. The system of claim 113, further including a plurality of distinct colors, each
6 one of said colors paired with a note name chosen from the group of note names of
7 Western music, A, B, C, D, E, F, G, and the sharp and flat names of said notes.

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~~115~~. The system of claim 113, further including a plurality of particularly named
9 distinct colors, each one of said colors having a color name beginning with a musical
10 alphabet letter name, A, B, C, D, E, F, G, and paired, via reiteration of said musical
11 alphabet letter name, each to one out of a plurality of the notes of Western music
12 customarily referred to as, A, A#/Bb, B, C, C#/Db, D, D#/Eb, E, F, F#/Gb, G, G#/Ab.

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~~116~~. The system of claim 113, further including a plurality of distinct images, each
14 one of said images paired with a note name chosen from the group of note names of
15 Western music, A, B, C, D, E, F, G, and the sharp and flat names of said notes.

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~~117~~. The system of claim 113, further including a plurality of image distinguishing
17 marks, each one of said marks paired with a note name chosen from the group of note
18 names of Western music, A, B, C, D, E, F, G, and the sharp and flat names of said
19 notes.

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~~118~~. A system for facilitating improved learning and playing of music using a coding
21 system that may be applied to a plurality of entities, comprising:

1 a plurality of distinct images, each one of said images paired with a note name chosen
2 from the group of note names of Western music, A, B, C, D, E, F, G, and the sharp
3 and flat names of said notes; the images combined with indicia means for identifying
4 each one out of a plurality of the octave groups of Western music,
5 whereby providing image and octave group coding both for identifying musical
6 elements such as notes, and chords for a multitude of entities that create music, and
7 for acting as an identifier of said elements per se on a multitude of entities for the
8 learning and playing of music.

9 ¹¹⁸~~119~~. The system of claim 118, wherein said plurality of distinct images is a plurality
10 of particularly named distinct images, each one of said images having an image name
11 beginning with a musical alphabet letter name, A, B, C, D, E, F, G, with each one of
12 said image names paired, via the repetition of said musical alphabet letter names, to a
13 different one of the said note names of Western music,

14 ¹¹⁹~~120~~. The system of claim 119, wherein each one out of said plurality of distinct
15 images has a plurality of distinguishing marks, with each different one of said marks
16 paired with a different one of the note names of Western music,

17 ¹²⁰~~121~~. The system of claim 118, further including a plurality of distinct colors, each
18 different one of said colors paired with a different one of the said note names of
19 Western music,

20 whereby providing coding means both for identifying the octave group location of a
21 plurality of musical notes on a multitude of entities that create music, and acting as an
22 identifier of octave groups per se on a multitude of entities for the learning and
23 playing of music.

1 122. A method for facilitating improvement of learning and playing of music by

2 providing coding for applying to a plurality of entities taken from the group of coding

3 elements consisting of:

4 (a) providing a plurality of distinct colors, each one of said colors paired with a note

5 name chosen from the group of note names of Western music, A, B, C, D, E, F, G,

6 and the sharp and flat names of said notes; the colors each combined with indicia

7 means for identifying each one out of a plurality of the octave groups of Western

8 music,

9 (b) providing a plurality of particularly named distinct colors, each one of said colors

10 having a color name beginning with a musical alphabet letter name, A, B, C, D, E, F,

11 G, with each one of the color names paired, via the reiteration of said musical

12 alphabet letter name, each to one out of a plurality of note names of Western music

13 customarily referred to as, A, A#/Bb, B, C, C#/Db, D, D#/Eb, E, F, F#/Gb, G, G#/Ab,

14 ((c) providing an indicia means for identifying each one out of a plurality of the

15 octave groups of Western music, wherein said octave group identification is derived

16 from a plurality of indicia, with a different one of said indicia, whether a single

17 indicium, or grouping of indicia acting as only one indicium, solely identifying each

18 one of the plurality of octave groups,

19 (d) providing a plurality of distinct images, each one of said images paired with a

20 note name chosen from the group of note names of Western music, A, B, C, D, E, F,

21 G, and the sharp and flat names of said notes; the images further combined with a

22 plurality of particularly named distinct colors, each said color having a color name

23 beginning with a musical alphabet letter name, A, B, C, D, E, F, G, with each one of

1 said color names paired, via the reiteration of said musical alphabet letter names, each
2 to one out of a plurality of the group of notes names of Western music customarily
3 referred to as; A, A#/Bb, B, C, C#/Db, D, D#/Eb, E, F, F#/Gb, G, G#/Ab,

4 (e) providing a plurality of distinct images, each one of said images paired with a note
5 name chosen from the group of note names of Western music, A, B, C, D, E, F, G,
6 and the sharp and flat names of said notes; the images further combined with means
7 for identifying each one out of a plurality of the octave groups of Western music,.

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8 (f) providing a plurality of particularly named distinct images, each one of said
9 images having an image name beginning with a musical alphabet letter name, A, B,
10 C, D, E, F, G; with each one of said image names paired, via the reiteration of said
11 musical alphabet letter name, to one of the note names of Western music customarily
12 referred to as; A, A#/Bb, B, C, C#/Db, D, D#/Eb, E, F, F#/Gb, G, G#/Ab; the images
13 further combined with means for identifying each one out of a plurality of the octave
14 groups of Western music,

15 (g) providing a plurality of distinguishing marks of distinct images, each one of said
16 marks paired with a note name chosen from the group of note names of Western
17 music, A, B, C, D, E, F, G, and the sharp and flat names of said notes, in combination
18 with means for identifying each one out of a plurality of the octave groups of Western
19 music,

20 (h) applying said provided elements to any one of said plurality of entities in such a
21 manner that said applied coding elements applied to at least more than one or part of
22 one of said entities has at least one of the same coding elements applied to said parts
23 when the parts are correlated one to another,

a' 1 whereby selecting from said group of coding elements and application method is
2 enabling of a plurality of coding configurations of the coding elements that may be
3 applied to a multitude of entities both for identifying musical elements such as notes,
4 and chords for a multitude of entities that create music, and for acting as identifiers of
5 said elements per se on a multitude of entities for the learning and playing of music.

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